J26-7
J26-1
J26-2
J26-3
J26-4
J26-5
J26-6
J26-9

PER_22 → J20-8
PER+5 → J20-1
PER_20 → J20-2
PER_21 → J20-3
MARX_RLY → J20-4
RETURN → J20-5
INTLOCKA → J20-6
INTLOCKD → J20-7
→ J23-23
→ J23-24
INTLOCKC → J21-2
INTLOCKB → J21-1
GND → J21-4
→ J21-3

Q1
NPSA44
R32
1K, 1/4W
R30
100K, 1/2W
R11
1M
R12
10K
START 200V → J21-20
→ J26-21
→ J26-22
→ J21-5

REF ASSY
0447-2220
J22-6
2.5K 55W ×8
TO CONNECTOR J22 PIN 1

R34
2.2K, 1/2W
MARX500V → J21-24
→ J22-1

R21 150K, 5W
R23 150K, 5W
R22 150K, 5W
R24 150K, 5W
CR9 1N5383B
CR8 1N5383B
CR7 1N5388B

R39 470K, 2W + C10 22uf 450V
R25 470K, 2W + C3 22uf 450V
R26 470K, 2W + C4 22uf 450V
R27 470K, 2W + C5 22uf 450V
R28 470K, 2W + C6 22uf 450V
R29 470K, 2W + C7 22uf 450V

REF ASSY
0447-2220
2 + ~ 3 (1) 2KV AC
H440
TO SIMMER XFRMR ON SHT 1
1 ~ 4 (1) 2KV AC

E1 E2

T1
2K, 300V
R38
10
CR6
MR824
CR5
1N914
C8
.001
CR4
IN914
J26-15 GATE+
J26-16 GATE-

R1 27K, 10W
R2 27K, 10W
R3 27K, 10W
R4 27K, 10W
R5 27K, 10W
R6 27K, 10W
R7 27K, 10W
R8 27K, 10W
R9 27K, 10W
R10 27K, 10W
J26-25 VMON-
CONNECTED TO CHASSIS GROUND
J22-12
R37
15.4K 1%
R16 499K, 1W, 1%
R17 499K, 1W, 1%
R18 499K, 1K, 1%
R19 499K, 1K, 1%
R20 499K, 1W, 1%
C1
.001, 3KV
C2
.001, 3KV
J26-26 VMON+

R31
47, 1/2W
R35
120, 1/4W
C9
.1
U1
MCT2
SIM SENSE+ → J26-24
SIM SENSE- → J26-23
→ J22-11

J1 J2 J4 J3 J5
SMPS
75uf / 135uf
1500V
47.5 uh

SIZE	FSCM NO.	DWG. NO.	REV.
D		0447-0490	E
SCALE		SHEET 2 OF 2	